

s/n: 09/939,422
date: 8-25-03

| | | |
|--|--------------------------|---------------|
| 1764 (359/223,224,225,290,291,295,318).CCLS. | USPAT; US-PGPUB; IBM_TDB | 8/21/03 23:26 |
| 205842 (electro-magnet\$5) or (electro\$2magnet\$5) or (electro adj magnet\$5) ((electro-magnet\$5) or (electro\$2magnet\$5) or (electro adj 16163 magnet\$5)) with actuat\$5 | USPAT; US-PGPUB; IBM_TDB | 8/21/03 23:23 |
| (((electro-magnet\$5) or (electro\$2magnet\$5) or (electro adj magnet\$5)) with actuat\$5) and (MEM or (micro\$2electr\$5) or (micro- 543 electr\$5) or (micro adj electr\$5)) (((electro-magnet\$5) or (electro\$2magnet\$5) or (electro adj magnet\$5)) with actuat\$5) and (MEM or (micro\$2electr\$5) or (micro- electr\$5) or (micro adj electr\$5))) and 35 ((359/223,224,225,290,291,295,318).CCLS.) | USPAT; US-PGPUB; IBM_TDB | 8/22/03 16:30 |
| 11502 359/\$ and magnet\$6 | USPAT; US-PGPUB; IBM_TDB | 8/22/03 16:28 |
| USPAT; US-PGPUB; IBM_TDB | 8/21/03 23:28 | |
| ((((electro-magnet\$5) or (electro\$2magnet\$5) or (electro adj magnet\$5)) with actuat\$5) and (MEM or (micro\$2electr\$5) or (micro- 84 electr\$5) or (micro adj electr\$5))) and (359/\$ and magnet\$6) ((((electro-magnet\$5) or (electro\$2magnet\$5) or (electro adj magnet\$5)) with actuat\$5) and (MEM or (micro\$2electr\$5) or (micro- electr\$5) or (micro adj electr\$5))) and (359/\$ and magnet\$6)) and 77 mirror | USPAT; US-PGPUB; IBM_TDB | 8/21/03 23:29 |
| 60 5673139.URPN. ("3471641" "3614312" "3762791" "4073567" "4230393" "4317611" "4441791" "4468282" "4571603" "4598585" "4670092" "4699006" "4708420" "4710732" "4732440" "4856863" "4859012" "4869107" "4942766" "4954789" "4956619" "4991964" "5016072" "5028939" "5037173" "5097354" "5101236" "5111693" "5142303" "5155778" "5196714" "5202785" "5203208" "5212582" "5220835" "5231879" "5233456" "5247180" "5251485" "5256869" "5260596" "5285196" "5291473" "5331852" "5392151" "5444566" "5447600" "5452024" "5454906" "5457566" "5485304" "5491680" "5508841" "5532997" "5535047" "5552924" "5563398" "5579148" "5579151" "5592239" "5629790" "5629794" "5640214" "5654741" "5661591" "5665997" "5671083" "5673139" "5682174" "5696619" 73 "5754217" "5771116" "5774604").PN. | USPAT | 8/21/03 23:33 |
| 18 3471641.URPN. | USPAT | 8/21/03 23:33 |
| 28 4073567.URPN. | USPAT | 8/21/03 23:36 |
| 6 4175832.URPN. | USPAT | 8/21/03 23:37 |
| 1 6230976.URPN. | USPAT | 8/21/03 23:38 |
| ("3614312" "3762791" "4073567" "4317611" "4441791" "4571603" "4598585" "4670092" "4699006" "4708420" "4710732" "4869107" "4942766" "4954789" "4956619" "5016072" "5097354" "5111693" "5142303" "5155778" "5203208" "5205785" "5212582" "5220835" "5231879" "5233456" "5251485" "5260596" "5285196" "5291473" "5331852" "5392151" "5444566" "5447600" "5454906" "5485304" "5491680" "5508841" "5535047" "5552924" "5579148" "5579151" "5629794" "5661591" "5665997" 50 "5671083" "5673139" "5682174" "5696619" "5771116").PN. | USPAT | 8/21/03 23:44 |
| 40 5233456.URPN. | USPAT | 8/21/03 23:51 |
| (MEM or (micro\$2electr\$5) or (micro-electr\$5) or (micro adj 55805 electr\$5)) ((MEM or (micro\$2electr\$5) or (micro-electr\$5) or (micro adj 641 electr\$5))) and (359/\$ and magnet\$6) | USPAT; US-PGPUB; IBM_TDB | 8/21/03 23:56 |
| USPAT; US-PGPUB; IBM_TDB | 8/21/03 23:56 | |

| | | |
|---|--------------------------|---------------|
| (((MEM or (micro\$2electr\$5) or (micro-electr\$5) or (micro adj 78 electr\$5))) and (359/\$ and magnet\$6)) and pole | USPAT; US-PGPUB; IBM_TDB | 8/21/03 23:56 |
| ((((MEM or (micro\$2electr\$5) or (micro-electr\$5) or (micro adj 57 electr\$5))) and (359/\$ and magnet\$6)) and pole) and mirror | USPAT; US-PGPUB; IBM_TDB | 8/21/03 23:56 |
| ((((MEM or (micro\$2electr\$5) or (micro-electr\$5) or (micro adj electr\$5))) and (359/\$ and magnet\$6)) and pole) and mirror) and 10 gimbal | USPAT; US-PGPUB; IBM_TDB | 8/21/03 23:57 |
| 1 ("6295154").PN. | USPAT; US-PGPUB; IBM_TDB | 8/22/03 0:33 |
| (((((MEM or (micro\$2electr\$5) or (micro-electr\$5) or (micro adj electr\$5))) and (359/\$ and magnet\$6)) and pole) and mirror) and 8 gimbal) and coil | USPAT; US-PGPUB; IBM_TDB | 8/22/03 0:36 |
| (((MEM or (micro\$2electr\$5) or (micro-electr\$5) or (micro adj 429 electr\$5))) and (359/\$ and magnet\$6)) and array | USPAT; US-PGPUB; IBM_TDB | 8/22/03 0:36 |
| ((((MEM or (micro\$2electr\$5) or (micro-electr\$5) or (micro adj 56 electr\$5))) and (359/\$ and magnet\$6)) and array) and pole | USPAT; US-PGPUB; IBM_TDB | 8/22/03 0:36 |
| ((((MEM or (micro\$2electr\$5) or (micro-electr\$5) or (micro adj electr\$5))) and (359/\$ and magnet\$6)) and array) and pole) and 9 gimbal | USPAT; US-PGPUB; IBM_TDB | 8/22/03 0:39 |
| ((((MEM or (micro\$2electr\$5) or (micro-electr\$5) or (micro adj 143 electr\$5))) and (359/\$ and magnet\$6)) and array) and coil | USPAT; US-PGPUB; IBM_TDB | 8/22/03 0:40 |
| (((((MEM or (micro\$2electr\$5) or (micro-electr\$5) or (micro adj 31 electr\$5))) and (359/\$ and magnet\$6)) and array) and coil) and pole 0 coil adj on adj mirror | USPAT; US-PGPUB; IBM_TDB | 8/22/03 1:18 |
| 711 coil near2 mirror | USPAT; US-PGPUB; IBM_TDB | 8/22/03 1:18 |
| 174 (coil near2 mirror) and (359/\$ and magnet\$6) | USPAT; US-PGPUB; IBM_TDB | 8/22/03 1:18 |
| ((((electro-magnet\$5) or (electro\$2magnet\$5) or (electro adj magnet\$5)) with actuat\$5) and (MEM or (micro\$2electr\$5) or (micro- electr\$5) or (micro adj electr\$5))) and ((coil near2 mirror) and (359/\$ 4 and magnet\$6)) | USPAT; US-PGPUB; IBM_TDB | 8/22/03 1:19 |
| 3 ("5724123" "5872880" "6320993").PN. | USPAT | 8/22/03 1:20 |
| 426 magnet\$7 same actuat\$5 same coil same mirror | USPAT; US-PGPUB; IBM_TDB | 8/22/03 1:24 |
| 67 (magnet\$7 same actuat\$5 same coil same mirror) and MEM ("4229081" "4317611" "4580873" "4725127" "5042889" "5216490" "5579148" "5729642" "5808780" "5912608" 15 "5923798" "5956292" "6005993" "6031947" "6049404").PN. | USPAT; US-PGPUB; IBM_TDB | 8/22/03 1:24 |
| 13 5912608.URPN. | USPAT | 8/22/03 2:08 |
| 0 6122089.URPN. | USPAT | 8/22/03 2:14 |
| 2 ("5606447" "5912608").PN. | USPAT | 8/22/03 2:15 |
| 24 5606447.URPN. | USPAT | 8/22/03 2:15 |
| ("5535047" "5583688" "5648618" "5867302" "5960132" "6028689" "6040935" "6044705" "6198180" "6256134" 11 "6283601" "2001/0048265").PN. | USPAT | 8/22/03 2:19 |
| ((((electro-magnet\$5) or (electro\$2magnet\$5) or (electro adj magnet\$5)) with actuat\$5) and (MEM or (micro\$2electr\$5) or (micro- electr\$5) or (micro adj electr\$5))) and | USPAT | 8/22/03 2:32 |
| 35 ((359/223,224,225,290,291,295,318).CCLS.) | USPAT; US-PGPUB; IBM_TDB | 8/22/03 16:30 |
| (((electro-magnet\$5) or (electro\$2magnet\$5) or (electro adj magnet\$5)) with actuat\$5) and (MEM or (micro\$2electr\$5) or (micro- 554 electr\$5) or (micro adj electr\$5)) | USPAT; US-PGPUB; IBM_TDB | 8/22/03 16:30 |
| ((((electro-magnet\$5) or (electro\$2magnet\$5) or (electro adj magnet\$5)) with actuat\$5) and (MEM or (micro\$2electr\$5) or (micro- 60 electr\$5) or (micro adj electr\$5))) and (coil with pair) | USPAT; US-PGPUB; IBM_TDB | 8/22/03 16:31 |
| ((((electro-magnet\$5) or (electro\$2magnet\$5) or (electro adj magnet\$5)) with actuat\$5) and (MEM or (micro\$2electr\$5) or (micro- electr\$5) or (micro adj electr\$5))) and | USPAT; US-PGPUB; IBM_TDB | 8/22/03 16:31 |
| 4 ((359/223,224,225,290,291,295,318).CCLS.) and (coil with pair) | USPAT; US-PGPUB; IBM_TDB | 8/22/03 16:31 |
| ((((electro-magnet\$5) or (electro\$2magnet\$5) or (electro adj magnet\$5)) with actuat\$5) and (MEM or (micro\$2electr\$5) or (micro- electr\$5) or (micro adj electr\$5))) and | USPAT; US-PGPUB; IBM_TDB | 8/22/03 16:31 |
| 4 ((359/223,224,225,290,291,295,318).CCLS.) and (coil near2 pair) | USPAT; US-PGPUB; IBM_TDB | 8/22/03 16:31 |

("4229081" | "4317611" | "4580873" | "4725127" | "5042889" |
"5216490" | "5579148" | "5729642" | "5808780" | "5912608" |
15 "5923798" | "5956292" | "6005993" | "6031947" | "6049404").PN. USPAT 8/22/03 16:33
((((electro-magnet\$5) or (electro\$2magnet\$5) or (electro adj
magnet\$5)) with actuat\$5) and (MEM or (micro\$2electr\$5) or (micro-
43 electr\$5) or (micro adj electr\$5))) and (coil near2 pair) USPAT; US-PGPUB; IBM_TDB 8/22/03 17:02

(((((electro-magnet\$5) or (electro\$2magnet\$5) or (electro adj
magnet\$5)) with actuat\$5) and (MEM or (micro\$2electr\$5) or (micro-
35 electr\$5) or (micro adj electr\$5))) and (coil near2 pair)) and mirror
8 (359/.cccls.) and bernstein.in. USPAT; US-PGPUB; IBM_TDB 8/22/03 17:04
("4229081" | "4317611" | "4580873" | "4725127" | "5042889" |
"5216490" | "5579148" | "5729642" | "5808780" | "5912608" |
15 "5923798" | "5956292" | "6005993" | "6031947" | "6049404").PN. USPAT; US-PGPUB; IBM_TDB 8/22/03 17:05

152 mirror same (pair\$2 near2 coil\$2) same magnet\$5
10 1 and MEM
 mirror same ((pair\$2 or multipl\$5 or plural\$5) near2 coil\$2) same
216 magnet\$5
16 3 and MEM USPAT; US-PGPUB; IBM_TDB 8/25/03 16:06
USPAT; US-PGPUB; IBM_TDB 8/25/03 16:04
USPAT; US-PGPUB; IBM_TDB 8/25/03 16:06
USPAT; US-PGPUB; IBM_TDB 8/25/03 16:07